55 3, 917

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁷: **G11B 27/34,** 27/10, 19/02, G06F 9/44, 3/033, H04N 5/445

(21) International Application Number:
PCT/IB2004/050472

(22) International Filing Date: 21 April 2004 (21.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03101134.9   24 April 2003 (24.04.2003)   EP

(71) Applicant *(for all designated States except US)*: KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: GRUBER, Thomas [AT/AT]; Triester Strasse 64, A-1101 Vienna (AT).

(74) Agent: RÖGGLA, Harald; Philips Intellectual Property & Standards, Triester Strasse 64, A-1101 Vienna (AT).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
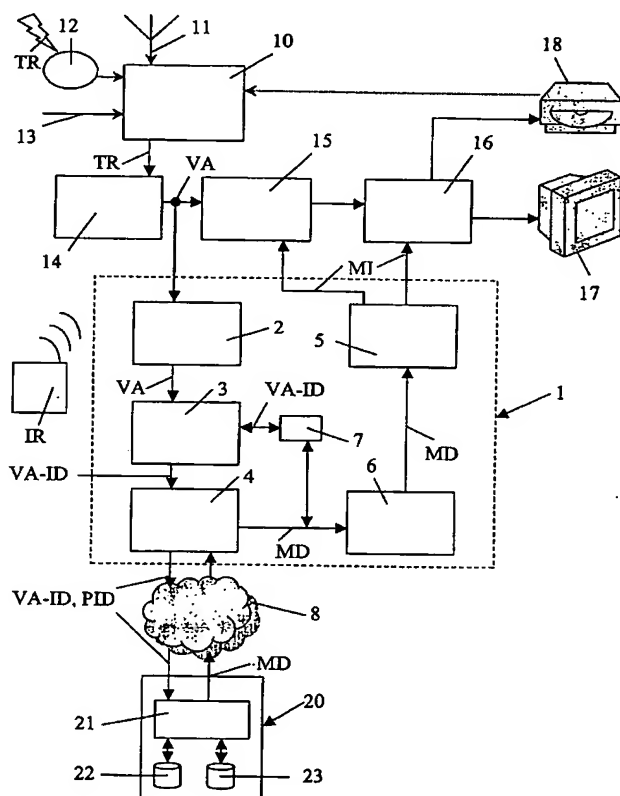
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: MENU GENERATOR DEVICE AND MENU GENERATING METHOD FOR COMPLEMENTING VIDEO/AUDIO SIGNALS WITH MENU INFORMATION

(57) Abstract: In a menu generator device (1) for complementing video/audio signals (VA) with menu information (MI), which audio/video signals (VA) may possibly be divided into a plurality of sequences, there are provided a read-in stage (2) for reading in the video/audio signals (VA), an analyzing stage (3) for generating video/audio identifying information (VAID) from the video/audio signals (VA) read in, a communications stage (4) for transmitting the video/audio identifying information (VA-ID) to a remote menu data server (20) and for receiving, from the menu data server, menu data (MD) assignable to the video/audio identifying information (VA-ID) transmitted, and a menu generator stage (5) for generating menu information (MI) from the menu data (MD) and for emitting the menu information 10 (MI) for connection with the video/audio signals (VA).

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.